

#### From the INTERNATIONAL SEARCHING AUTHORITY

To:  AMERSHAM HEALTH AS Attn. Flechsler, Insa Nycoveien 1-2 P.O. Box 4220 Nydalen PECENED N-0401 Oslo NORWAY  2 1 MAI 2004	NOTIFICAT THE INTERN OF
Patent Dep. Oslo	Date of mailing (day/month/year)
Applicant's or agent's file reference PN02100-PCT	FOR FURTHER ACTIO

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Nycoveien 1-2					
P.O. Box 4220 Nydalen PECEWED	(PCT Pulo 44.1)				
0101 0010	(PCT Rule 44.1)				
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	Date of mailing				
Fatent Dep. Oslo	(day/month/year) 18/05/2004				
Applicant's or agent's file reference					
PN02100-PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No	International filing date				
PCT/NO 03/00396	(day/month/year) 27/11/2003				
Applicant					
AMERSHAM HEALTH AS					
The applicant is bareby petitied that the Intermetional Corret	Papart has been established and is transmitted because				
1. X The applicant is hereby notified that the International Search Filing of amendments and statement under Article 19:	neport has been established and is transmitted herewith.				
The applicant is entitled, if he so wishes, to amend the claims	s of the International Application (see Rule 46):				
When? The time limit for filing such amendments is normal International Search Report; however, for more det					
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes	DUE DATE: 18-Jul-2004				
1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35	FORMALITIES: MN				
For more detailed instructions, see the notes on the accor	mpanying sheet. PAT. OFF:				
2. The applicant is hereby notified that no International Search	Report will be established and that the declaration under 2004				
Article 17(2)(a) to that effect is transmitted herewith.	CASE NO: "PN 02100-PC				
3. With regard to the protest against payment of (an) addition	nal fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been applicant's request to forward the texts of both the protest.	n transmitted to the International Bureau together with the est and the decision thereon to the designated Offices.				
	·				
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the following:					
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).					
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.					

Name and mailing address of the International Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Gregory Adam



These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

#### **INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19**

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

#### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.



The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
  - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

#### It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

#### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

## TENT COOPERATION TREATY

# PCT



### **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PN02100-PCT	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year) (Earliest) Priority Date (day/month/year)						
PCT/NO 03/00396	27/11/2003	29/11/2002					
Applicant	Applicant						
AMERSHAM HEALTH AS							
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	ority and is transmitted to the applicant					
This International Search Report consists  It is also accompanied by	of a total of sheets.  a copy of each prior art document cited in this	report.					
1. Basis of the report	· ·						
	international search was carried out on the bas ess otherwise indicated under this item.	is of the international application in the					
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	e international application furnished to this					
b. With regard to any nucleotide and was carried out on the basis of the		ernational application, the international search					
	nal application in written form.						
filed together with the inte	rnational application in computer readable form	1.					
furnished subsequently to	this Authority in written form.						
	this Authority in computer readble form.						
	sequently furnished written sequence listing do s filed has been furnished.	bes not go beyond the disclosure in the					
the statement that the info furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been					
2. Certain claims were four	nd unsearchable (See Box I).						
3. Unity of invention is lack	king (see Box II).						
4. With regard to the <b>title,</b>							
the text is approved as su	bmitted by the applicant.						
x the text has been establish	the text has been established by this Authority to read as follows:						
	DETECTING LIGANDS, WHERE THE NMR-SPECTRUM IS COMPARED WI T						
5. With regard to the abstract,							
the text is approved as submitted by the applicant.  the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.							
6. The figure of the drawings to be publi	shed with the abstract is Figure No.						
as suggested by the applic	cant.	X None of the figures.					
because the applicant faile	because the applicant failed to suggest a figure.						
because this figure better	characterizes the invention.						

## INTERNATIONAL SEARCH REPORT

International Application No PCT/NO 03/00396

A. CLASSIFIC	CATION OF SUBJECT	TMATTE	
IPC 7	G01R33/46	G03	/08

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01R G01N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
P,A	WO 03 057258 A (OSBORNE MICHAEL J; TOLKATCHEV DMITRI (CA); NI FENG (CA); XU PING () 17 July 2003 (2003-07-17) the whole document	1-15	
P,A	WO 03 096044 A (DIERCKS TAMMO) 20 November 2003 (2003-11-20) the whole document	1-15	
P,A	DE 101 60 177 A (NOVASPIN BIOTECH GMBH) 26 June 2003 (2003-06-26) the whole document	1-15	
<b>A</b> .	WO 99 35508 A (LEUNBACH IB ;COCKBAIN JULIAN (GB); NYCOMED IMAGING AS (NO); HANSSO) 15 July 1999 (1999-07-15) the whole document	1-15	
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the international search  16 April 2004	Date of mailing of the international search report  1 8. 05. 04
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer PATRIK BLIDEFALK/MN

## INTERNATIONAL SEARCH REPORT

International Application No PCT/NO 03/00396

Category °	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.		
	SUZANNE B. ET AL: "Discovering High-Affinity Ligands for Proteins:SAR by NMR" SCIENSE, vol. 274, - 29 November 1996 (1996-11-29) page 1531 XP002277120 the whole document		1-15	
			-	
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/NO 03/00396

	atent document d in search report		Publication date		Patent family member(s)	Publication date
WO	03057258	Α	17-07-2003	WO	03057258 A2	17-07-2003
WO	03096044	Α	20-11-2003	DE WO	10221158 A1 03096044 A2	19-02-2004 20-11-2003
DE	10160177	Α	26-06-2003	DE WO	10160177 A1 03054532 A2	26-06-2003 03-07-2003
WO	9935508	A	15-07-1999	AUUURAAN CON CON PEREWWWHIPP PRO NO	1047399 A 752308 B2 1775399 A 8119298 A 9813244 A 2290808 A1 2317526 A1 1269015 T 1138154 C 1306441 T 0990168 A1 1047455 A1 1046051 A1 9858272 A1 9924080 A1 9935508 A1 0102093 A2 2002508687 T 2001522819 T 2002501006 T 996173 A 2002429 A 20002429 A 20003251 A 505151 A 6278893 B1 2004024307 A1 6311086 B1 6574495 B1 6466814 B1	31-05-1999 12-09-2002 26-07-1999 04-01-1999 10-10-2000 23-12-1998 15-07-1999 04-10-2000 11-02-2004 01-08-2001 05-04-2000 02-11-2000 25-10-2000 23-12-1998 20-05-1999 15-07-1999 28-09-2001 19-03-2002 20-11-2001 15-01-2002 15-02-2000 10-05-2000 26-11-2002 21-08-2001 05-02-2004 30-10-2001 03-06-2003 15-10-2002